"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

Ch. III. Course of an Airplane and the Compass 43

17. General information on the earth's magnetism 43
18. Magnetic variation 44
19. Map of magnetic variation 46
20. The course of an airplane 48
21. Compass deviation 50
22. Aircraft instruments 54
23. Purpose and principle of operation of an aviation compass 54
24. The KI-11 compass 55
25. Adjustment of a magnetic compass 58
26. Mounting the compass in the airplane and pre-flight checking 58
27. Establishing a course and setting the airplane on the prescribed course 59

Ch. IV. Flight Altitude and the Altimeter 62

28. Atmospheric pressure 62
29. Variation of atmospheric pressure with altitude 63
30. Temperature and density of the atmosphere 63
31. Classification of altitude 64

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

32. Operating principle of the barometric altimeter 65
33. Construction of the two-pointer altimeter 67
34. Zeroing of the altimeter pointers and setting altimeter to station pressure 70
35. Systematic errors of barometric altimeters 71
36. The navigational slide rule 75
37. Determination of true and indicated altitude 77
38. Safe flight altitude 79
39. Preflight checking of the altimeter 80
40. Outside-air thermometer 80

Ch. V. Air Speed and Air Speed Indicator 81

41. Air speed 81
42. Purpose and operating principle of the air-speed indicator 82
43. The UVS-350 air-speed indicator 84
44. Design of the air-pressure inlet 86
45. Errors in the air-speed indicator 87
46. Aerodynamic correction 88
47. Checking the air-pressure inlet and the air-speed indicator 88

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

48. Determination of true and indicated air speed on the NL-8 slide rule 89
49. Approximate calculation of air speed 90
50. Preflight inspection of air-speed indicator 91
51. Airplane clock 91

Ch. VI. Climb Indicator and Turn-and-Bank Indicator 93
52. Climb indicator 93
53. The VR-10 type climb indicator 94
54. Turn-and-bank indicator 97
55. The UP-10 pneumatic turn indicator 98
56. Purpose and principle of operation of the bank indicator 100
57. Use of the instruments in flight 101

Ch. VII. Effect of Wind on the Flight of an Airplane 104
58. Elements of flight in calm air 104
59. Elements of flight in a tail wind 106
60. Elements of flight in a head wind 109
61. Elements of flight in a cross wind 110
62. Variation of the components of the vector triangle 112
63. Graphical determination of the vector triangle 115

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

64. The drift computer and how it works 118
65. Using the drift computer to determine heading, drift angle, and ground speed 119
66. Calculating drift angle, ground speed, and heading on the NL-8 navigation slide rule and by mental arithmetic 121
67. Determining navigational elements of flight by mental arithmetic 124

Ch. VIII. Visual Orientation 127
68. General concepts 127
69. Reference points 127
70. Main features of reference points 128
71. Visual orientation by day in various flight areas 131
72. Special features of visual orientation by night 133
73. Practical rules for visual orientation in flight 133
74. Importance of visual orientation in cross-country flight 140

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

Ch. IX. Flight-Path Correction 141
75. Lateral deviation 141
76. Measurement of drift angle in flight 146
77. Measurement of drift angle by means of fixes 146
78. Determining the actual drift angle during flight on courses computed from pibal data 147
79. Measuring ground speed by means of fixes 149

PART II. PRACTICAL AIR NAVIGATION

Ch. X. Preparing for Flight 150
80. Pilot's navigating equipment 150
81. Preparing for flight 150
82. Preflight calculations 153
83. Range and endurance of the Yak-18 airplane 155
84. Studying the route of flight and aids to navigation 157
85. Navigator's flight program 158
86. Simulated check flight for pilot 158
87. Navigational preparation before departure 160
88. Checking pilot's preparedness for conducting a flight over a given route 164

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

Ch. XI. Conducting the Cross-Country Flight 166
89. Take-off, climb 166
90. Leaving the take-off pattern 166
91. Proceeding to the departure check point 166
92. Entering on course 168
93. Checking and correcting the flight path 172
94. Simultaneous checking of flight path with respect to direction and distance 178
95. Map work and keeping the log in flight 178
96. Bringing the airplane in for a landing 180

Ch. XII. Flight Safety 182
97. Insuring flight safety 182
98. Causes of disorientation 189
99. Methods of reorientation 189

Ch. XIII. Use of the Radio Compass in Flight 194
100. Use of radio compass to determine position with reference to a homing or broadcast station 194

Card 9/10

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

Air Navigation (Cont.) 466

101. Passive homing 194
102. Homing by combined use of radio compass and magnetic compass 197

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Card 10/10

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

N/5
757
.Z3

Zaporoschchenko, Stepan Kirillovich

Aircraft Guidance; Manual for Aeroclubs, Moskva, Izd-vo DOSAAF, 1958.

199 p. illus., diagrs., graphs, tables.

Bibliographical Footnotes.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, V.F.; KUZNETSOV, I.M.

New technology for manufacturing splined holes. Mashinostroitel' no.4:35 Ap'64 (MIRA 17:7)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

KAMENKOF, I., insh.; ZAPOROTTSKOV, N., insh.

Standardized control system for the winches of grab cranes. Rech. transp. 24 no.6:19-21 '65. (MIRA 18:8)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZEC, Alexandr, promovany geolog; ZELINKA, Miloslav, inz.

Microporous filters in quicksand. Geol pruzkum 5 no.3:76-77 Mr '63.

1. Geologicky pruzkum, n.p., Praha, zavod stavebni geologie.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

STRASKRABA, Vladimir, inz.; ZAPOROZEC, Alexander, promovany geolog

On the importance of the 2d Hydrogeological Conference in Ostrava. Geol pruzkum 5 no.5:144-145 My '63.

1. Uhelny pruzkum, n.p., Ostrava; Geologicky pruzkum, n.p., zavod stavebni geologie, Praha.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZEC, Alexandr

One year of the Hydrogeological Group of the Czechoslovak Society for Mineralogy and Geology. Geol pruzkum 5 no.6:188 Je '63.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPORCZEC, Alexandr

Connection of rubber cables. Geol pruzkum 5 no.7:218 Jl '63.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZEC, Alexandr

Second year of activities of the Special Group of Hydrogeology. Geol pruzkum 6 no.4:124-125 Ap '64.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

PAULICEK, Josef; ZAPOROZEC, Alexandr, promovany geolog

Separation of casing strings in boreholes. Geol pruzkum 6 no.5:149 My '64.

1. Geologicky pruzkum National Enterprise, Prague.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZEC, Alexandr, promovany geolog

Methods of testing water-bearing horizons. Geol pruzkum 6 no. 6:177-178,176 Je '64.

1. Geologicky pruzkum National Enterprise, Constructional Geology Plant, Prague.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

VRBA, Jaroslav, promovany geolog; ZAPOROZEC, Alexandr, promovany geolog

Problems of Czechoslovak hydrogeology. Geol pruzkum 6 no.7: 208-209 Jl '64.

1. Vodni zdroje, Prague; Geologicky pruzkum National Enterprise, Section of Construction Geology, Prague.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZEC, Alexandr

Fourth Hydrogeological Conference on the Methods and Technique of Hydrogeological Survey and Research. Geol pruzkum 6 no.12: 380 D '64.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZEC, Alexandr

Evaluation of the Third Hydrogeological Conference. Geol pruzkum 7 no.2:61 F '65.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A., kand.sel'skokhoz. nauk; VESELKIN, V., inzh.
(g.Dnepropetrovsk)

Corn irrigation in the southern Ukraine. Gidr. i mel. 16 no.3: 17-21 Mr '64. (MIRA 17:4)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

GORSKIY, A.I.; ZAPOROZHCHENKO, A.L., kand. sel'skokhoz. nauk

Corn in irrigated fields. Zemledelie 26 no.3:28-31 Mr '64. (MIRA 17:4)

1. Nachal'nik Upravleniya po sel'skokhozyaystvennomu osvoyeniyu oroshayemykh i osushayemykh zemel' Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov UkrSSR (for Gorskiy). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut (for Zaporozhchenko).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, E.V. (Pyatigorsk); VOLODIN, Ye.F. (Pyatigorsk)

Case of the deformation of buildings erected on Quaternary clay. Osn. fund. i mekh. grun. 6 no.4:13-14 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, E.V.

Landslides and problems in the study of the resistance of rocks to shear. Trudy VODGEO no.6:36-45 '64. (MIRA 18:3)

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, Yu.G., podpolkovnik med. sluzhby

Combined treatment of peptic ulcers utilizing intramuscular injections of autohemolyzed blood in a 0.5 novocaine solution. Voen. med. zhur. no.3:82-83 Mr '58. (MIRA 12:7)

(PEPTIC ULCER) (BLOOD AS FOOD OR MEDICINE)
(NOVOCAINE)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A. Ya.

Epidemiology and clinical aspects of the intestinal form of anthrax. Zhur. mikrobiol. epid. i immun. 32 no. 7:41-45 Je '61. (MIRA 15:5)

1. Iz TSentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii Ministerstva putey soobshcheniya.
(ANTHRAX)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A.Ya., kand.med.nauk (Moskva)

Materials on the epidemiology and clinical aspects of rarely found forms of anthrax. Vrach. delo no.8:87 Ag'63. (MIRA 16:9)

1. Otdeleniye profilaktiki infektsionnykh zabolevaniy Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnoy gigiyeny.
(ANTHRAX)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A.Ya. (Moskva)

Epidemiology of rarely met clinical forms of anthrax. Vrach.delo no.11:1205 N '59. (MIRA 13:4)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya gigiyeny i epidemiologii Ministerstva putey soobshcheniya SSSR.
(ANTHRAX)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A.Ya.

Materials on the epidemiology and clinical aspects of anthrax. Zhur. mikrobiol.,epid.i immun. 40 no.12:117-118 D '63. (MIRA 17:12)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnoy gigiyeny Ministerstva putey soobshcheniya.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

GLADKIKH, S.G.; ZAPOROZHCHENKO, A.Ya.

Long creative life; on Viktor Andreevich Bashenin's 80th birthday, 1882-. Zhur.mikrobiol.,epid.i immun. 40 no.12:123-125 D '63. (MIRA 17:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

PROKAPALO, I.S., kand. sel'khoz. nauk; TREGUBENKO, M.Ya. [Trehubenko, M.IA.], kand. sel'khoz. nauk; ARTYUKHOV, Y.K., kand. sel'khoz. nauk; KRYACHKO, P.G.[Kriachko, P.H.], st. nauchn. sotr.; MAKODZEBA, I.O., kand. sel'khoz. nauk; SIDENKO, I.O., kand. biol. nauk; SUSIDKO, P.I., kand. biol. nauk; REPIN, A.M.[Riepin, A.M.], kand. sel'khoz. nauk; LOGACHOV, M.I.[Lohachov, M.I.], kand. sel'khoz. nauk; OSTAPOV, V.I., kand. sel'khoz. nauk; ZAPOROZHCHENKO, O.L., kand. sel'kh.nauk;FLYAGIN,A.D.[Fliahin,A.D.], kand. ekon. nauk; KANIVETS', I.D., st. nauchn. sotr.; SKRIPNIK, P.S.[Skrypnyk, P.S.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Advanced practices in growing corn] Peredovi metody vyroshchuvannia kukurudzy. 2., perer. i dop. vyd. Kyiv, Derzhsil'hospvydav, URSR, 1962. 231 p. (MIRA 17:1)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

DEOBDIYEV, Nikolay Trifonovich; TARTAKOVSKIY, I.A., kand.tekhn.nauk, ZAPOROZHCHENKO, V.A., inzh., red.; ONISHCHENKO, N.P., red.

[Shaping parts by reduction methods] Obrabotka detalei redutsirovaniem. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 155 p. (MIRA 13:7)
(Forging)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

LEVINSON, Vladimir Naumovich; DOBROVOL'SKIY, V.A., prof., doktor tekhn. nauk, zasluzhennyy deyatel' nauki i tekhniki, retsenzent; ZAPOROZHCHENKO, V.A., inzh., red.; FURER, P.Ya., red.izd-va

[Continuous conveying devices] Transportnye ustroistva nepreryvnogo deistviia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1960. 359 p. (MIRA 13:5)
(Conveying machinery)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

1ST AND 2ND LEVELS — 3RD AND 4TH LEVELS

PROCESSES AND PROPERTIES INDEX

BC

a-1

Adsorption of calcium and aluminium soaps of hydroxycarboxylic acids on asbestos surface. Z. V. Volkova and A. V. Zaporozhets (Min. Suire, 1936, 11, No. 4, 69—73).—Micelles of the solutions of Al soaps have a more complex structure and are more highly solvated than those of Ca soaps. Al soaps are more strongly adsorbed on asbestos (I) surfaces than are Ca soaps, although in presence of moisture adsorption of either is much reduced. Al soaps stabilize moist (I) better than do Ca soaps, and differ from the latter in that their films on (I) cannot be removed with non-polar solvents. Al soaps bind the (I) particles more firmly in a dried paint film than do Ca soaps, but drying is slower.

Ch. Abs. (e)

COMMON ELEMENTS — COMMON VARIABLES INDEX — OPEN — MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

SMOL'YAR, P.; CHEMUS, V.; ZAPOROSHCHUK, G.[Zaporoshchuk, H.]

Our workshop practices. Mekh. sil'. hosp. 9 no. 6:31-32 Je '58. (MIRA 11:7)

1. Dzhulins'ka mashinno-traktornaya stantsiya, Vinnits'koi oblasti.
(Vinnitsa Province--Machine-tractor stations)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROWSKA-POGORZELSKA, Wanda

Application of resins of rapid polymerization for refraction and correction of prostheses. Czasopismo stomat. 7 no.4:203-209 Ap '54.

1. Z Zakladu Protetyki Stomatologicznej Akademii Medycznej w Warszawie. Kierownik: doc. dr A. Ujejski.
(DENTAL PROSTHESIS,
*refraction & correction with acrylic resins of rapid polymerization)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Cat

95

New dye substitutes for the knitting industry. A. A. Zaporozhsov. *Legkaya Prom.* 1943, No. 1-2, 13-14.

Lab. and semi-plant-scale expts. are reported on the use of spent tanning exts., mainly as an extender of synthetic dyes, and on a dye obtained by exts. of alder bark with aq. solns. of NH_3, Na_2CO_3 or NaOH. This dye was brown, with shades depending on the nature of the extg. soln. The color could be further modified by addn. of Cr, Fe or Cu salts. $Al_2(SO_4)_3$ was used as mordant. Satisfactory results were obtained on knitted and woven goods.

M. Hosch

COMMON ELEMENTS

OPEN

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A.L., kand.sel'skokhozyaystvennykh nauk

Cultivation practices for growing irrigated corn. Zemledelie 25 no.12:14-19 D '63. (MIRA 17:4)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHCHENKO, A. L.

Zaporozhchenko, A. L. -- "Work on Certain Problems of the Agricultural Engineering of Sunflowers for the Irrigated Conditions of Kuybyshev Oblast." Min Higher Education USSR. Kuban' Agricultural Inst. Published by "Sovetskiy Kuban'." Krasnodar, 1956. (Disseration For the Degree of Candidate in Agricultural Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-114

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

Xylolite tile made with caustic magnesite. A. A. Zajanchkovskii. *Stroitel. Materialy* 1938, No. 1, 41-9. Xylolite tile based on caustic dolomite has a mechanical strength nearly equal to that of xylolite based on magnesite. Tile prepd. with dolomite and a $MgSO_4$ soln. have higher mechanical strength than that from caustic dolomite and $MgCl_2$ soln. on remaining under pressure for 2 hrs. at 90°. The addn. of talc and asbestos fines has no positive effect on the mechanical strength. A better result is obtained by maintaining in a dry place at the usual room temp. E. E. Stefanowsky

20

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZCOVA, Libuse

Paleontological research in the Black Sea. Geol pruzkum 6 no.2:62 F'64

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZCOVA, Libuse

Seminar on paleontolgical methods. Geol pruzkum 6 no.9:284 S '64.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A., polkovnik; PLATOV, B., podpolkovnik; POLETAYEV, V., podpolkovnik

In a situation approximating combat. Voen. vest. 42 no.8:56-62 Ag '62. (MIRA 15:7)

(Attack and defense (Military science))
(Military education)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

Physically and biologically hermetic sutures of the large intestine. Dokl.AN BSSR 6 no.4:263-265 Ap '62. (MIRA 15:4)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR I.A.Bulyginym.
(INTESTINES--SURGERY) (SUTURES)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

Airtightness of intestinal sutures. Dokl. AN BSSR 6 no.1:65-68 Ja '62. (MIRA 15:2)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR I.A.Bulyginym.

(INTESTINES—SURGERY)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

Pathogenesis of Ewing's tumor. Dokl.AN BSSR 5 no.4:180-183 Ap '61. (MIRA 14:5)

1. Institut fiziologii AN BSSR. Predstavleno akad.AN BSSR I.A. Bulyginym.

(BONES--CANCER)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

BULYGIN, I.A.; BATURIN, K.A.; ZAPOROZHETS, A.A.

Interoceptive bioelectric cortical reactions before and after section of the spinal cord. Fiziol. zhur. 51 no.8:926-935 Ag '65. (MIRA 18:7)

1. Institut fiziologii AN BSSR, Minsk.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

New data on the problem of imperviousness of intestinal sutures.
Khirurgiia 40 no.8:107-111 Ag '64.
(MIRA 18:3)

1. Laboratoriya obshchey fiziologii (zav. - prof. I.A. Bulygin) Instituta fiziologii AN BSSR, Minsk.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A. (Minsk, bul'var Shevchenko, 3, kv. 9)

Prevention of postoperative adhesions between abdominal organs. Vest. khir. 92 no.4:52-60 Ap '64 (MIRA 18:1)

1. Iz laboratorii obshchey fiziologii (zav. - prof. I.A. Bulygin) Instituta fiziologii AN Belorusskoy SSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZARCHOVNYI, A.A.

Role of the greater omentum in protecting the abdominal cavity from infections and toxins. Vest. khir. 94 no.2:119-125 F '65. (MIRA 18:5)

1. Iz laboratorii obshchey fiziologii (zav. - prof. I.A. Bulygin) Instituta fiziologii AN BSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

A new theory of the mechanism of postoperative peritonitis origin. Dokl. AN BSSR 8 no.8:543-547 Ag '64. (MIRA 17:11)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR I.A. Bulyginym.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A. [Zaparozhats, A.A.]

Pathogenesis and prophylaxis of intra-abdominal postoperational adhesions and postoperational peritonitis without dehiscence of sutures. Vestsi AN BSSR Ser. biial. nav. no.1:78-86 '62. (MIRA 17:9)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

Physical and biological airtightness of the two-row suture applied to the small intestine during first days surgery. Dokl. AN BSSR 7 no.8:565-568 Ag '63. (MIRA 16:10)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR I.A. Bulyginym.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A. [Zaporozhets', A.A.]

A new method of producing the end to end anastomosis of the intestine in laboratory animals. Vestsi AN BSSR. Ser. biial. nav. no.3:82-90 '60. (MIRA 14:1)
(INTESTINES—SURGERY)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

Pneumatic switch for shifting the flow of liquids. Vestsi AN BSSR. Ser. biial. nav. no. 4:140-141 '60. (MIRA 14:1)
(Physiological apparatus)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.; BLYUM, A.G., red.; TARAKANOVA, F.F., tekhn.red.

[Field and rapid methods of testing building materials] Metody polevykh i uskorennykh ispytanii stroitel'nykh materialov. Minsk, Redaktsionno-izdatel'skii otdel BPI imeni I.V. Stalina, 1959. 111 p. (MIRA 12:11)
(Building materials--Testing)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.A.

Biological function of the great omentum. Dokl. AN BSSR 9 no.6: 415-418 Je '65. (MIRA 18:9)

1. Institut fiziologii AN BSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A. A.

USSR/ General Problems of Pathology. Tumors U-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 23134

Author : Tsypkin, B.N., Zaporozhets, A.A.
Inst : -
Title : On Ewing's Sarcoma.

Orig Pub : Ortopediya, travmatol. i protezir., 1956, No 4, 16-17

Abstract : This is a description of 2 cases of Ewing's sarcoma located in the neck of the femur in men 23 and 34 years of age. The patients were hospitalized with a high fever 3 months after the appearance of symptoms. The post-operative histologic diagnosis was Ewing's sarcoma. A course of X-ray therapy was given which resulted in a rapid but transitory improvement. Death occurred 8-9 months after the onser of disease. The autopsies revealed numerous metastases into various organs with no bony metastases.

Card 1/1

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

TSYPKIN, B.N., professor; ZAPOROZHETS, A.A.

Ewing's sarcoma. Ortop., travm. i protez. 17 no.4:16-17 Jl-Ag '56. (MLRA 9:12)

1. Iz Minskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii (dir. - prof. R.M.Minina, nauchnyy rukovoditel' - prof. B.N.TSypkin)

(SARCOMA, EWING'S, case reports)

ZAPOROZHETS, A. I.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

The reorganization of the work of political and Party organizations in the Red Army; address on 13 Dec., 1940. Moskva, Voen. izd-vo, 1941. 19 p. (51-50393)

UA772.Z3

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

VASIL'CHENKO, S.I.; ZAPOROZHETS, A.K.; OKSANICH, I.F.

Mechanical cleaning of coke-oven doors at the Krivoy Rog Coke Plant. Koks i khim. no.1:40-41 '56. (MLRA 9:5)

1. Krivorozhskiy koksokhimicheskiy zavod.
(Krivoy Rog--Coke ovens)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

GAL'PERIN, P.Ya.; ZAPOROZHETS, A.V.; EL'KONIN, D.B.

Problems of inculcating knowledge and skills in students and the new methods of academic training. Vop. psikhol. 9 no.5: 61-72 S-O'63. (MIRA 17:2)

1. Kafedra psikhologii Moskovskogo gosudarstvennogo universiteta (for Gal'perin). 2. Institut doshkol'nogo vospitaniya Akademii pedagogicheskikh nauk RSFSR, Moskva (for Zaporozhets). 3. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva (for El'konin).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.V.

[Psychology; teaching aid for preschool teachers' institutes] Psikhologiia; uchebnoe posobie dlia doshkol'nykh pedagogicheskikh uchilishch. Moskva, Gos.uchebno-pedagog.izd-vo, 1953. 187 p. (MLRA 6:8)
(Psychology) (Child study)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A. V.

"Development of Voluntary Movements,"

Communications at the XIV International Congress of Psychology, Acad. Pedagogical Sci. RSFSR, Moscow 1954.

A. V. Zaporozhets, Inst. of Psychology, Acad. Pedagogical Sci RSFSR

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A. V.

"Psychology", Educational-Pedagogical State Publishing House, Ministry of Education RSFSR, Moscow, 1955

TABCON and summary D 355473, 14 Nov 55

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.V.

The problem of voluntary movements in the light of I.M. Sechenov's works. Vop.psikhol. no.1:3-10 Ja-F '56. (MLRA 9:5)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva.
(Movement, Psychology of)(Reflexes)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.V.

The problem of attitude and its role in regulating motor behavior. [with summary in English]. Vop.psikhol. 4 no.3:3-10 My-Je '58 (MIRA 11:8)

1. Institut psikhologii APN RSFSR, Moskva.
(ATTITUDE (PSYCHOLOGY))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.V., ZINCHENKO, V.P.

"Scientific records of the Institute of Psychology of the Ukrainian S.S.R", Vol. 1-9, Kiev 1949-1959. Reviewed by A. V. Zaporozhets, V.P. Zinchenko. Vop. psikhol. 6 no.1:165-172 Ja-F '60. (MIRA 13:6)

(Psychology)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

BARABANSHCHIKOV, A.V.; D'YACHENKO, M.I.; ZAPOROZHETS, A.V.; FEDENKO, N.F.

"Psychology (Essays on problems in the training and education of Soviet soldiers)" by G.D.Lukov. Reviewed by A.V.Barabanshchikov and others. Vop. psikhol. 7 no.6:179-182 N-D '61. (MIRA 15:1)
(Psychology, Military) (Lukov, G.D.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.V. (Moskva); KOROBEYNIKOV, M.P. (Moskva)

New book on military psychology. Vop. psikhol. no.5:142-144 S-O '64 (MIRA 18:1)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, A.V. (Moskva); FARAFONOVA, E.A. (Moskva)

Work of the Moscow Section of the Society of Psychologists in 1960-1964. Vop. psikhol. 11 no.2:189-190 Mr-Ap '65. (MIRA 18:6)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, B.I., inzh.; MOLCHANOV, V.K., inzh.

Preventive maintenance of 110 kv. transformer entrances without dismantling them. Energ. i elektrotekh. prom. no.3:67 Jl-S '64. (MIRA 17:11)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, B. I. i MUSATOV, T. P.

26372 O tekhnicheskoy uchebe zksploatatsionnogo personala zlektrosetey. Zlektr. Stansii, 1949, No. 8, s. 39-40.

SO: LETOPIS' NO. 35, 1949

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

MUSATOV, T. P., Eng.; ZAPOROZHETS, B. I., Eng.

Electric Circuit Breakers

Reconstructing inlets of oil circuit breakers VM-25. Rab. energ., 1, No. 2, 1951

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, B.I., inzhener; MUSATOV, T.P., inzhener.

Device for blocking mobile grounding devices. Elek.sta., 24 no.9:39-40 S '53. (MLRA 6:8)

(Electric currents--Grounding)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, B.I., inzh.

Concerning the structure of an electric utility district. Elek. sta. 34 no.8:74-75 Ag '63. (MIRA 16:11)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, B.I., inzh.

Concerning T.P. Musatov's article "Exhaust pipe in a power transformer." Elek. sta. 35 no.2:93 F '64. (MIRA 17:6)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, B.I., inzh.

Industrial training and work with personnel in electrical networks. Elek. sta. 35 no.5:85-86 My '64. (MIRA 17:8)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

BEZPALOV, D. M. (probably D. F.), ZAPROZHETS, D. M. (or V. M.), ROGOV, B. I. and POPOV, M. V.

"An Apparatus for Radiometric Bore-hole studies."

report to be submitted for the Conference on Nuclear Geophysics, Krakow, Poland, 24-30 Sept 1962.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, D.N.

Furnace for hardening and tempering beet slicer knives. Sakh. prom. 33 no.1:54 Ja '59. (MIRA 12:1)

1. TSybulevskiy sakhkombinat.
(Sugar industry--Equipment and supplies)
(Furnaces, Heat-treating)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, G.

AID P - 778

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 9/16

Author : Zaporozhets, G.

Title : The skill of Moskva parachutists grows

Periodical : Kryl. Rod., 10, 14, O 1954

Abstract : The author gives results attained by parachutists of Moskva aeroclubs in various competitions in 1954. He praises some aeroclubs, and criticises others. Names of competitors are mentioned.

Institutions: TsK DOSAAF (Central Committee of DOSAAF); Central Aeroclub of the U.S.S.R.

Submitted : No date

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, G.I.

Study of a homogeneous equation of the first order unsolved relative to the derivative. Dif. urav. 1 no.5:567-581 My '65. (MIRA 18:7)

1. Vsesoyuznyy zaochnyy institut inzhenerov zheleznodorozhnogo transporta.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, Grigoriy Ivanovich; SELIVERSTOVA, A.I., red.

[Textbook for solving problems in mathematical analysis] Rukovodstvo k resheniiu zadach po matematicheskomu analizu. Izd.3., dop. Moskva, Vysshaia shkola, 1964. 478 p. (MIRA 17:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, G.I.; KHONDKARYAN, N.G., red.; KLEYMAN, L.G., tekhn. red.

[Methodological guide in solving problems in mathematical analysis] Metodicheskoe rukovodstvo k resheniiu zadach po matematicheskomu analizu. Moskva, Vses. zaochnyi in-t inzhenerov zheldor. transp. Pt.3. 1963. 131 p. (MIRA 17:3)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

ZAPOROZHETS, Grigoriy Ivanovich; BAKHSHIYAN, F.A., red.; SELIVERSTOVA, A.I., red. izd-va; MURASHOVA, V.A., tekhn. red.

[Textbook for solving problems in mathematical analysis] Rukovodstvo k resheniiu zadach po matematicheskomu analizu. Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 403 p. (MIRA 15:2)
(Mathematical analysis)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

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C111/C444

AUTHOR: Zaporozhets, G. I.

TITLE: On the approximative integration of ordinary differential equations of second order with variable coefficients

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 51, abstract 5V156. ("Uch. zap. Vses. zaochn. in-t inzh. zh.-d. transp.," 1961, no. 7, 270-275)

TEXT: Yu. V. Rudnev has developed a method for the approximative integration of a certain class of linear partial differential equations of second order, approximating the given equations by solvable differential equations of a certain structure. This method is used for the approximative integration of the equation

$$y'' + N(t)\, y' + M(t)\, y = 0 .$$

First the equation (1) is brought into the form

$$y'' + p(x)\, y' + ay = 0 . \qquad (1)$$

Card 1/2

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Then one starts from any solvable equation

$$y_0'' + p_0(x)y'_0 + ay_0 = 0 \qquad (2)$$

(where the constant coefficient a is the same), one repeats several times the transformation $y' = uv$ and thereby constructs an infinite sequence of approximating equations of the same type

$$y_n'' + p_n(x)\, y_n' + ay_n = 0 \quad (n=0,1,\dots). \qquad (3)$$

The coefficients $p_n(x)$ are calculated by recurrence formulas. The general integrals y_n of the equations (3) are expressed by the general integral y_0 of (2):

$$y_n = \frac{1}{u_{n-1}} \frac{d}{dx}\left[\frac{1}{u_{n-2}} \frac{d}{dx}\left[\frac{1}{u_{n-3}} \cdots \frac{d}{dx}\left[\frac{1}{u_0} \cdot \frac{dy_0}{dx}\right] \cdots\right]\right]$$

and they approximate the general integral of (1).

[Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

develops a new method for study of the equation

$$f\left(\frac{y}{x}, \frac{dy}{dx}\right) = 0 . \qquad (1)$$

He establishes a connection between integral curves and singularities of the curve I relative to a certain coordinate system. The properties of integral curves are relative to a certain coordinate system. The properties of integral curves are [illegible] of various "typical points" (poles, [illegible] and isolated [illegible] wider class of equations. It also can be used for numerical integration of such [illegible]

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810017-5

Cleaning of cast iron and steel castings with hydrofluoric acid. G. F. Zaporozhets. *Khim. Mashinostroenie* 1938, No. 2, 30-1; *Khim. Referat. Zhur.* 1, No. 11-12, 100(1938).--A scheme for the cleaning of cast iron and steel castings by treatment with a HF soln. followed by neutralization is given. The amt. of the 75% HF used varies from 0.4 to 1 kg./100-150 tons of castings depending on the character of the parts and on the quality of their surfaces. The dried parts are of a light-gray color of the noncoxidized metal. No burned-in particles of sand on the surface were observed. A mixt. of other acids can be substituted for HF.

W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CA

20

Influence of calcium chloride additions on the rapidity of setting of cement mixtures from pozzuolanic and slag portland cements. I. D. Zapovyshch and V. V. Kind. *Tsement* 3, No. 4, 19-30(1935).—These cements showed a high early strength with optimal doses of $CaCl_2$. The plasticity of the cements increased; therefore it was possible to lower the cement content in concrete of a given strength and consistency. The optimal doses of $CaCl_2$ vary from 2 to 5% and must be experimentally found in every case. The addn. of less than 5% of $CaCl_2$ retards the setting to some extent. The mechanical strength increases on keeping in water or in a damp atm.

R. E. Stefanowsky

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Resistance of cement to fresh water. I. D. Zaporozhets. *Glavstroiprom, N. K. T. P., S. S. S. R., Leningrad, Works of Cement. of Pozzuolanic Admixts., Pozzuolanic Cements* 1934, 85-120.—(1) The best method for detg. water stability of cements is based on filtration of water through cement tobs. (2) The quantity of lime lixiviated as a function of time is a quant. characteristic of cement water stability. (3) Pozzuolana portland cement is considerably more water stable than portland cement.
M. V. Condoide

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B-1-10

Accelerated method for determination of the reactivity of siliceous (hydraulic) admixtures. I. D. Zaromoskaya (Puzzolanic Cements, U.S.S.R., 1936, 475—478).—A method in which reactivity can be determined within 5 hr. is described and data are given comparing results by this method with those by the standard method. T. W. P.

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Stability toward air and salts of pozzuolanic portland cements treated with calcium chloride. I. D. Zapunetz and V. V. Kind. *Tsement* 4, No. 10, 23-7 (1936). Air-hardened pozzuolanic portland cement increases in mechanical strength on addn. of 3-5% $CaCl_2$ by reason of the absorbing capacity of $CaCl_2$ for moisture of the air. The $CaCl_2$ does not lead to a decrease of the stability of the cements in sulfate waters. R. R. Stefanowsky

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

B-I-10

BC

Air- and salt-resistance of pozzuolana-Portland cements with added calcium chloride. I. D. Zaromenskii and V. V. Kiro (Trans. Leningrad Ind. Inst., 1939, No. 9, 2—15).—Besides its direct accelerating action on the hardening, $CaCl_2$ improves the process by keeping the mass moist, and hence its effect is best in air and least under H_2O. $CaCl_2$ slightly lowers the resistance to SO_4'' solutions, but better strength development is obtained in aggressive solutions when $CaCl_2$ is added to the mix. G. H. C.

COMMON ELEMENTS

MATERIALS INDEX

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Ca

21

Investigating the causes of the reduced leaching of lime in pozzuolana portland cement mortars. I. D. Zaporozhets. *Trudy Leningrad. Ind. Inst.* 4, 63-83(1937); *Chem. Zentr.* 1940, II, 3333-4.—The behavior of pozzuolana portland cements in fresh water is discussed: (I) the leaching of lime by the filtration of water through test pieces; (II) reciprocal action between hydraulic bonding agents and lime; (III) density of mortars of different cements. The materials tested were (1) high-quality portland cement, (2) pozzuolana portland cement with 33% Si material, (3) pozzuolana portland cement with 45% Bryansk Kieselguhr, (4) a cement made with 70% Karadag-trass. The stability of pozzuolana portland cements with regard to the leaching of lime was found to be much greater than that of portland cement. The amt. of lime dissolved diminished with the age of the test piece. The reciprocal action between the SiO_2 of the admixture, and the lime produces a reaction which is a combination of an adsorption and chem. reaction; the speed of the reaction is conditioned to a large extent by the adsorption capacity of the admixtures. The monocalcium silicate formed in this case has the capacity to adsorb lime. The max. concn. of lime in aq. monocalcium silicate was detd. with 0.00 g. in the l. It was detd. that the continued lessening of the water soly. of the free lime in pozzuolana portland cements is the result of a chem. combining and increasing density of the mortar.

M. V. Condoide

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3rd AND 4TH ORDERS

30

Stability of pozzuolanic and slag cements toward aggressive carbon dioxide. L. D. Zelynskiets and V. V. Kind *Cement* 5, No. 5, 9, 14-22(1937). Comparative mechanical strengths are detd. of small samples kept in water satd. with CO_2. The water must be changed not less often than twice in a month, the satn. of water by CO_2 must be uninterrupted, the mortar must be composed in the ratio 1:3:5. Both pozzuolanic and slag cements are unstable toward aggressive CO_2. K. F. Stefanovsky

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CA

9

Temperature coefficient of hardness of eutectic alloys. V. P. Shishokin and I. D. Zaporozhets. *Tsvetnye Metal.* No. 5-6, 88 (1937).—The authors studied the influence of temp. on the hardness of eutectic alloys, and detd. temp. coeffs. of hardness of a series of alloys in cast and annealed conditions. The following alloys were investigated: (1) Pb-Bi-Cd eutectic; (2) Pb-Sn-Cd eutectic and 2 other Pb-Sn-Cd alloys; (3) Pb-Sn-Cd eutectic and 2 other alloys; (4) Zn-Sn-Cd eutectic and another alloy; (5) Pb-Sn-Bi; (6) Cd-Pb-Zn and (7) Bi-Sn-Pb-Cd eutectic alloys. In all cases the temp. coeffs. of hardness were found to be greater for the alloys than for any of their components. The effect of temp. on the hardness and on the increased temp. coeffs. of the alloys is discussed.

B. N. Daniloff

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PROCESSES AND PROPERTIES INDEX

20

The use of calcium chloride as an addition in injecting pozzuolanic portland-cement mortar into the foundations of structures. I. D. Zaporozhets. *Trans. Leningrad Ind. Inst.* No. 7, *Sect. Phys.-Math.* No. 4, 81-85 (in English, 85) (1937); cf. C. A. 31, 1077[7].—Novorossiisk trass portland cement (50% of trass) and Bryansk pozzuolanic portland cement (30% of tripoli) were used in the expts. The addn. of a certain amt. of $CaCl_2$ to the pozzuolanic portland cement to be injected into fissured and soft porous rock shortened the setting period of the mortar, increased the plasticity and considerably increased the mech. strength of the cement. The optimal amt. of the $CaCl_2$ addn. depended on the water content in the mortar. The optimal amt. of $CaCl_2$ for Novorossiisk cement was 7%; for Bryansk cement, 8%. A. A. Podgorny

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Investigation of the corrodibility of mortar and concrete by the determination of the velocity of diffusion. V. V. King and I. D. Zaporozhets. *Tsement* 1938, No. 12, 33–5; *Khim. Referat. Zhur.* 2, No. 4, 108(1939).—The method proposed by Pshenitsyn and Il'ina (*C. A.* 32, 6421[1]) is unsatisfactory because the stability of mortar or concrete depends principally, not on its impermeability, but on its chem. compn. and on the compn. of the aggressive liquid or gas. Also, the permeability differs for different ions, whose diffusion velocity depends on their radii and on the adsorptive power of the mortar or concrete for the given ions.

W. E. Henn

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PROCESSES AND PROPERTIES INDEX

20

An answer to the article of V. V. Kind and I. D. Zaporozhets which criticises the investigation of the corrodibility of mortar and of concrete by the determination of the velocity of diffusion. P. A. Pshenitsyn and N. P. Il'ina. *Tsement* 1938, No. 12, 35-8; *Khim. Referat. Zhur.* 2, No. 4, 108(1939); cf. preceding abstr.— The hydrolysis products of the cement are always lime, Ca silicates and aluminates regardless of the compn. of the cement. Numerous other considerations are presented which are in favor of their proposed method for the detn. of the stability of cements. W. R. [illegible]

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PROCESSES AND PROPERTIES INDEX

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Ca

Investigation of the construction properties of quartz-portland cement. I. D. Zaporozhets. *Tsement* 1939, No. 9, 27-34; *Khim. Referat. Zhur.* 1940, No. 1, 105.—Addn. of up to 30% of quartz sand to portland cement does not change appreciably the strength of the cement if the sand is sufficiently fine. Portland cement and quartz-portland cement prepd. from clinker alone have practically identical water-absorption properties and the concretes of the same consistency prepd. from them have the same water:cement ratios. Concrete prepd. from quartz-portland cement has a smaller water permeability and shrinkage than concrete prepd. from portland cement. W. R. H.

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